

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Robert LINES et al.

Application No.: 10/623,620

Filed: July 22, 2003

Docket No.: 116633

For: ACID-CAPPED QUATERNISED POLYMER AND COMPOSITIONS COMPRISING
SUCH POLYMER

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. The references Nos. 2 and 14-16 are cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☒ 3. The present application was filed or entered the U.S. National Stage of the PCT after June 30, 2003. In accordance with the June 11, 2003, Notice waiving the requirements of 37 C.F.R. §1.98(a)(2)(i), copies of any U.S. patents and patent application publications are not attached.

Respectfully submitted,



William P. Berridge
Registration No. 30,024

Thomas J. Pardini
Registration No. 30,411

WPB:TJP/tmw

Date: January 12, 2004

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

| |
|--|
| <p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p> |
|--|

| | | | | | | | |
|---|----|---|--------------|-----------------------------------|-----------------|-------------------------------|--|
| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 116633 | | APPLICATION NO. 10/623,620 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANTS Robert LINES et al. | | | |
|  | | | | | | | |
| | | | | FILING DATE July 22, 2003 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
| | 1 | 4,311,805 | 01/19/1982 | Moritani et al. | | | |
| | 2 | 4,012,437 | 03/15/1977 | Shachat et al. | | | |
| | 3 | 4,675,051 | 06/23/1987 | Baxter | | | |
| | 4 | 5,700,841 | 12/23/1997 | Walker | | | |
| | 5 | 4,180,643 | 12/25/1979 | Moss et al. | | | |
| | 6 | 4,212,820 | 07/15/1980 | Hotchkiss et al. | | | |
| | 7 | 4,594,365 | 06/10/1986 | Russell et al. | | | |
| | 8 | 4,745,214 | 05/17/1988 | Hess et al. | | | |
| | 9 | 4,791,161 | 12/13/1988 | Leising | | | |
| | 10 | 4,910,325 | 03/20/1990 | Shen et al. | | | |
| | 11 | 4,973,639 | 11/27/1990 | Shen et al. | | | |
| | 12 | 5,260,480 | 11/09/1993 | Lacroix et al. | | | |
| | 13 | 6,251,967 B1 | 06/26/2001 | Perichaud et al. | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | |
| | 14 | EP 0 529 693 B1 | 03/03/1993 ✓ | Europe | | | |
| | 15 | EP 0 663 409 B1 | 07/19/1995 ✓ | Europe | | | |
| | 16 | WO 97/31042 | 08/28/1997 ✓ | WIPO | | | |
| | 17 | WO 00/69926 | 11/23/2000 ✓ | WIPO | | | |
| | 18 | WO 01/16193 | 03/08/2001 ✓ | WIPO | | | |
| | 19 | WO 98/29463 | 07/09/1998 ✓ | WIPO | | | |
| | 20 | JP 9-286933 (abstract only) | 11/04/1997 | Japan | | | |
| | 21 | GB 1 457 590 | 12/08/1976 ✓ | Great Britain | | | |
| | 22 | GB 231,070 | 03/26/1925 ✓ | Great Britain | | | |
| | 23 | EP 0 802 243 B1 | 10/22/1997 ✓ | Europe | | | |
| | 24 | EP 0 779 304 B1 | 04/12/2000 ✓ | Europe | | | |
| | 25 | EP 0 204 456 B1 | 10/09/1991 ✓ | Europe | | | |
| | 26 | EP 0 069 559 B1 | 05/02/1985 ✓ | Europe | | | |
| EXAMINER | | | | | DATE CONSIDERED | | |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

Date: January 12, 2004

| | | | | | | |
|---|----|----------------------------------|--------------|---------------|-----------------|--|
| | 27 | WO 02/02698 A1 | 01/10/2002 ✓ | WIPO | | |
| | 28 | WO 91/09915 | 07/11/1991 ✓ | WIPO | | |
| | 29 | WO 91/14743 | 10/03/1991 ✓ | WIPO | | |
| | 30 | JP 9-202752 (abstract only) | 08/05/1997 ✓ | Japan | | |
| | 31 | JP 2-120372 (abstract only) | 05/08/1990 ✓ | Japan | | |
| | 32 | DE 3816328 A1 (with translation) | 11/23/1989 ✓ | Germany | | |
| | 33 | GB 2 273 934 A | 07/06/1994 ✓ | Great Britain | | |
| | 34 | GB 751,129 | 06/27/1956 ✓ | Great Britain | | |
| | 35 | EP 0 291 074 A2 | 11/17/1988 | Europe | | |
| | 36 | WO 94/28715 | 12/22/1994 | WIPO | | |
| EXAMINER | | | | | DATE CONSIDERED | |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | |

Date: January 12, 2004